

Timo Vesala

List of Publications by Year in descending order

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Version: 2024-02-01

381
papers

41,744
citations

7096

78
h-index

3106

187
g-index

430
all docs

430
docs citations

430
times ranked

23788
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of hygroscopicity on cloud droplet formation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 48, 347.	1.6	20
2	Spatial variation in plant community functions regulates carbon gas dynamics in a boreal fen ecosystem. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 838.	1.6	109
3	Determining the contribution of vertical advection to the net ecosystem exchange at Hyytiälä forest, Finland. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 900.	1.6	44
4	CO ₂ exchange of a sedge fen in southern Finland—the impact of a drought period. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 826.	1.6	117
5	Environmental controls on the CO ₂ exchange in north European mires. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 812.	1.6	75
6	A review of measurement and modelling results of particle atmosphere–surface exchange. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 42.	1.6	138
7	Surface–atmosphere interactions over complex urban terrain in Helsinki, Finland. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 188.	1.6	125
8	Forest floor versus ecosystem CO ₂ exchange along boreal ecotone between upland forest and lowland mire. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 153.	1.6	14
9	Stomatal-scale modelling of the competition between ozone sinks at the air–leaf interface. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 381.	1.6	6
10	Spring initiation and autumn cessation of boreal coniferous forest CO ₂ exchange assessed by meteorological and biological variables. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 701.	1.6	31
11	Revised eddy covariance flux calculation methodologies – effect on urban energy balance. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 18184.	1.6	63
12	Effects of cooling and internal wave motions on gas transfer coefficients in a boreal lake. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 22827.	1.6	74
13	Methane budget estimates in Finland from the CarbonTracker Europe-CH ₄ data assimilation system. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 71, 1565030.	1.6	11
14	Selected breakpoints of net forest carbon uptake at four eddy-covariance sites. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 73, 1915648.	1.6	9
15	The Integrated Carbon Observation System in Europe. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E855-E872.	3.3	44
16	Plant mediated methane efflux from a boreal peatland complex. <i>Plant and Soil</i> , 2022, 471, 375-392.	3.7	11
17	Does growing atmospheric CO ₂ explain increasing carbon sink in a boreal coniferous forest?. <i>Global Change Biology</i> , 2022, 28, 2910-2929.	9.5	23
18	Long-term fluxes of carbonyl sulfide and their seasonality and interannual variability in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2569-2584.	4.9	7

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19	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	8
20	Suitability of fibre-optic distributed temperature sensing for revealing mixing processes and higher-order moments at the forest–air interface. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2409-2427.	3.1	13
21	An Attempt to Utilize a Regional Dew Formation Model in Kenya. <i>Water (Switzerland)</i> , 2021, 13, 1261.	2.7	2
22	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. <i>Global Change Biology</i> , 2021, 27, 3582-3604.	9.5	59
23	Estimation of Biomass Increase and CUE at a Young Temperate Scots Pine Stand Concerning Drought Occurrence by Combining Eddy Covariance and Biometric Methods. <i>Forests</i> , 2021, 12, 867.	2.1	3
24	Methane production and oxidation potentials along a fen–bog gradient from southern boreal to subarctic peatlands in Finland. <i>Global Change Biology</i> , 2021, 27, 4449-4464.	9.5	17
25	Temperature Control of Spring CO ₂ Fluxes at a Coniferous Forest and a Peat Bog in Central Siberia. <i>Atmosphere</i> , 2021, 12, 984.	2.3	6
26	FLUXNET-CH ₄ : a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021, 13, 3607-3689.	9.9	79
27	Carbon balance of a Finnish bog: temporal variability and limiting factors based on 6 years of eddy-covariance data. <i>Biogeosciences</i> , 2021, 18, 4681-4704.	3.3	5
28	The Multiscale Monitoring of Peatland Ecosystem Carbon Cycling in the Middle Taiga Zone of Western Siberia: The Mukhrino Bog Case Study. <i>Land</i> , 2021, 10, 824.	2.9	9
29	Variable Physical Drivers of Near-Surface Turbulence in a Regulated River. <i>Water Resources Research</i> , 2021, 57, e2020WR027939.	4.2	11
30	Evaluation of carbonyl sulfide biosphere exchange in the Simple Biosphere Model (SiB4). <i>Biogeosciences</i> , 2021, 18, 6547-6565.	3.3	21
31	Bark Transpiration Rates Can Reach Needle Transpiration Rates Under Dry Conditions in a Semi-arid Forest. <i>Frontiers in Plant Science</i> , 2021, 12, 790684.	3.6	9
32	Dynamic Surface Tension Enhances the Stability of Nanobubbles in Xylem Sap. <i>Frontiers in Plant Science</i> , 2021, 12, 732701.	3.6	9
33	Varying Vegetation Composition, Respiration and Photosynthesis Decrease Temporal Variability of the CO ₂ Sink in a Boreal Bog. <i>Ecosystems</i> , 2020, 23, 842-858.	3.4	11
34	CH ₄ oxidation in a boreal lake during the development of hypolimnetic hypoxia. <i>Aquatic Sciences</i> , 2020, 82, 19.	1.5	18
35	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
36	Effects of drought and meteorological forcing on carbon and water fluxes in Nordic forests during the dry summer of 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190516.	4.0	35

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37	Modeling Long-Term Temporal Variation of Dew Formation in Jordan and Its Link to Climate Change. <i>Water (Switzerland)</i> , 2020, 12, 2186.	2.7	7
38	Influence of Dynamic Ozone Dry Deposition on Ozone Pollution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032398.	3.3	34
39	Soil greenhouse gas emissions under different land-use types in savanna ecosystems of Kenya. <i>Biogeosciences</i> , 2020, 17, 2149-2167.	3.3	30
40	Impact of coordinate rotation on eddy covariance fluxes at complex sites. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107940.	4.8	8
41	Leaf carbon and water status control stomatal and nonstomatal limitations of photosynthesis in trees. <i>New Phytologist</i> , 2020, 226, 690-703.	7.3	66
42	Carbon–nitrogen interactions in European forests and semi-natural vegetation – Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020, 17, 1583-1620.	3.3	21
43	Carbon–nitrogen interactions in European forests and semi-natural vegetation – Part 2: Untangling climatic, edaphic, management and nitrogen deposition effects on carbon sequestration potentials. <i>Biogeosciences</i> , 2020, 17, 1621-1654.	3.3	18
44	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020, 15, 104004.	5.2	31
45	Carbon dioxide and methane fluxes from different surface types in a created urban wetland. <i>Biogeosciences</i> , 2020, 17, 3409-3425.	3.3	5
46	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. <i>Earth System Science Data</i> , 2020, 12, 1295-1320.	9.9	33
47	Covariations between plant functional traits emerge from constraining parameterization of a terrestrial biosphere model. <i>Global Ecology and Biogeography</i> , 2019, 28, 1351-1365.	5.8	22
48	Influences of light and humidity on carbonyl sulfide-based estimates of photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2470-2475.	7.1	30
49	Multi-year methane ebullition measurements from water and bare peat surfaces of a patterned boreal bog. <i>Biogeosciences</i> , 2019, 16, 2409-2421.	3.3	17
50	Inter- and intra-annual dynamics of photosynthesis differ between forest floor vegetation and tree canopy in a subarctic Scots pine stand. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 1-11.	4.8	26
51	Diurnal and Seasonal Solar Induced Chlorophyll Fluorescence and Photosynthesis in a Boreal Scots Pine Canopy. <i>Remote Sensing</i> , 2019, 11, 273.	4.0	29
52	Applicability and consequences of the integration of alternative models for CO ₂ transfer velocity into a process-based lake model. <i>Biogeosciences</i> , 2019, 16, 3297-3317.	3.3	5
53	Spatial and Temporal Investigation of Dew Potential based on Long-Term Model Simulations in Iran. <i>Water (Switzerland)</i> , 2019, 11, 2463.	2.7	5
54	Monthly gridded data product of northern wetland methane emissions based on upscaling eddy covariance observations. <i>Earth System Science Data</i> , 2019, 11, 1263-1289.	9.9	69

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55	Networked web-cameras monitor congruent seasonal development of birches with phenological field observations. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 335-347.	4.8	21
56	Boreal bog plant communities along a water table gradient differ in their standing biomass but not their biomass production. <i>Journal of Vegetation Science</i> , 2018, 29, 136-146.	2.2	17
57	Strong radiative effect induced by clouds and smoke on forest net ecosystem productivity in central Siberia. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 376-387.	4.8	39
58	Soil fluxes of carbonyl sulfide (COS), carbon monoxide, and carbon dioxide in a boreal forest in southern Finland. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1363-1378.	4.9	27
59	New insights into the covariation of stomatal, mesophyll and hydraulic conductances from optimization models incorporating nonstomatal limitations to photosynthesis. <i>New Phytologist</i> , 2018, 217, 571-585.	7.3	135
60	Seasonal and Diurnal Variations in Atmospheric and Soil Air $^{14}\text{CO}_2$ in a Boreal Scots Pine Forest. <i>Radiocarbon</i> , 2018, 60, 283-297.	1.8	5
61	Ventilation and Air Quality in City Blocks Using Large-Eddy Simulation – Urban Planning Perspective. <i>Atmosphere</i> , 2018, 9, 65.	2.3	73
62	Direct effect of aerosols on solar radiation and gross primary production in boreal and hemiboreal forests. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17863-17881.	4.9	50
63	Vertical characterization of highly oxygenated molecules (HOMs) below and above a boreal forest canopy. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17437-17450.	4.9	34
64	Uncertainty of eddy covariance flux measurements over an urban area based on two towers. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5421-5438.	3.1	25
65	Methane and carbon dioxide fluxes over a lake: comparison between eddy covariance, floating chambers and boundary layer method. <i>Biogeosciences</i> , 2018, 15, 429-445.	3.3	81
66	Calibrating the sqHIMMELI v1.0 wetland methane emission model with hierarchical modeling and adaptive MCMC. <i>Geoscientific Model Development</i> , 2018, 11, 1199-1228.	3.6	12
67	Reviews and syntheses: Carbonyl sulfide as a multi-scale tracer for carbon and water cycles. <i>Biogeosciences</i> , 2018, 15, 3625-3657.	3.3	98
68	Technical note: Comparison of methane ebullition modelling approaches used in terrestrial wetland models. <i>Biogeosciences</i> , 2018, 15, 937-951.	3.3	16
69	Small spatial variability in methane emission measured from a wet patterned boreal bog. <i>Biogeosciences</i> , 2018, 15, 1749-1761.	3.3	21
70	High-frequency productivity estimates for a lake from free-water CO_2 concentration measurements. <i>Biogeosciences</i> , 2018, 15, 2021-2032.	3.3	5
71	Temporal Variation of Ecosystem Scale Methane Emission From a Boreal Fen in Relation to Temperature, Water Table Position, and Carbon Dioxide Fluxes. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1087-1106.	4.9	78
72	Ejective and Sweeping Motions Above a Peatland and Their Role in Relaxed-Eddy-Accumulation Measurements and Turbulent Transport Modelling. <i>Boundary-Layer Meteorology</i> , 2018, 169, 163-184.	2.3	9

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73	Effects of Climate Change on CO ₂ Concentration and Efflux in a Humic Boreal Lake: A Modeling Study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2212-2233.	3.0	14
74	Lake-Atmosphere Heat Flux Dynamics of a Thermokarst Lake in Arctic Siberia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5222-5239.	3.3	10
75	A Structure Function Model Recovers the Many Formulations for Air-Water Gas Transfer Velocity. <i>Water Resources Research</i> , 2018, 54, 5905-5920.	4.2	16
76	ICOS eddy covariance flux-station site setup: a review. <i>International Agrophysics</i> , 2018, 32, 471-494.	1.7	59
77	Relationship between aerodynamic roughness length and bulk sedge leaf area index in a mixed-species boreal mire complex. <i>Geophysical Research Letters</i> , 2017, 44, 5836-5843.	4.0	15
78	Winter respiratory C losses provide explanatory power for net ecosystem productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 243-260.	3.0	7
79	Early snowmelt significantly enhances boreal springtime carbon uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11081-11086.	7.1	84
80	Experimental validation of footprint models for eddy covariance CO ₂ flux measurements above grassland by means of natural and artificial tracers. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 75-84.	4.8	39
81	Canopy uptake dominates nighttime carbonyl sulfide fluxes in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11453-11465.	4.9	34
82	Species-specific temporal variation in photosynthesis as a moderator of peatland carbon sequestration. <i>Biogeosciences</i> , 2017, 14, 257-269.	3.3	22
83	HIMMELI v1.0: Helsinki Model of Methane build-up and emission for peatlands. <i>Geoscientific Model Development</i> , 2017, 10, 4665-4691.	3.6	24
84	Effect of Leaf Water Potential on Internal Humidity and CO ₂ Dissolution: Reverse Transpiration and Improved Water Use Efficiency under Negative Pressure. <i>Frontiers in Plant Science</i> , 2017, 8, 54.	3.6	57
85	Effects of Competition, Drought Stress and Photosynthetic Productivity on the Radial Growth of White Spruce in Western Canada. <i>Frontiers in Plant Science</i> , 2017, 8, 1915.	3.6	21
86	Soil concentrations and soil-atmosphere exchange of alkylamines in a boreal Scots pine forest. <i>Biogeosciences</i> , 2017, 14, 1075-1091.	3.3	7
87	Numerical framework for the computation of urban flux footprints employing large-eddy simulation and Lagrangian stochastic modeling. <i>Geoscientific Model Development</i> , 2017, 10, 4187-4205.	3.6	21
88	LAKE 2.0: a model for temperature, methane, carbon dioxide and oxygen dynamics in lakes. <i>Geoscientific Model Development</i> , 2016, 9, 1977-2006.	3.6	80
89	Large-eddy simulation and stochastic modeling of Lagrangian particles for footprint determination in the stable boundary layer. <i>Geoscientific Model Development</i> , 2016, 9, 2925-2949.	3.6	29
90	Importance of vegetation classes in modeling CH ₄ emissions from boreal and subarctic wetlands in Finland. <i>Science of the Total Environment</i> , 2016, 572, 1111-1122.	8.0	23

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91	Variation in photosynthetic properties among bog plants. <i>Botany</i> , 2016, 94, 1127-1139.	1.0	22
92	Do the energy fluxes and surface conductance of boreal coniferous forests in Europe scale with leaf area?. <i>Global Change Biology</i> , 2016, 22, 4096-4113.	9.5	39
93	Neglecting diurnal variations leads to uncertainties in terrestrial nitrous oxide emissions. <i>Scientific Reports</i> , 2016, 6, 25739.	3.3	51
94	Conceptual design of a measurement network of the global change. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1017-1028.	4.9	35
95	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land-atmosphere-ocean-society continuum in the northern Eurasian region. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14421-14461.	4.9	57
96	Field-scale simulation of methane emissions from coastal wetlands in China using an improved version of CH4MOD wetland. <i>Science of the Total Environment</i> , 2016, 559, 256-267.	8.0	17
97	Reconstruction of Holocene carbon dynamics in a large boreal peatland complex, southern Finland. <i>Quaternary Science Reviews</i> , 2016, 142, 1-15.	3.0	32
98	SMEAR Estonia: Perspectives of a large-scale forest ecosystem atmosphere research infrastructure. <i>Forestry Studies</i> , 2015, 63, 56-84.	0.2	22
99	Carbon dioxide and energy fluxes over a small boreal lake in Southern Finland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1296-1314.	3.0	64
100	Footprint Evaluation for Flux and Concentration Measurements for an Urban-Like Canopy with Coupled Lagrangian Stochastic and Large-Eddy Simulation Models. <i>Boundary-Layer Meteorology</i> , 2015, 157, 191-217.	2.3	24
101	A simple CO ₂ exchange model simulates the seasonal leaf area development of peatland sedges. <i>Ecological Modelling</i> , 2015, 314, 32-43.	2.5	10
102	Effects of water clarity on lake stratification and lake-atmosphere heat exchange. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7412-7428.	3.3	77
103	ADVERSE SELECTION IN DYNAMIC MATCHING MARKETS. <i>Bulletin of Economic Research</i> , 2015, 67, 115-133.	1.1	3
104	CH ₄ and N ₂ O dynamics in the boreal forest-tundra ecotone. <i>Biogeosciences</i> , 2015, 12, 281-297.	3.3	9
105	Intercomparison of fast response commercial gas analysers for nitrous oxide flux measurements under field conditions. <i>Biogeosciences</i> , 2015, 12, 415-432.	3.3	28
106	Impacts of climate and reclamation on temporal variations in CH ₄ emissions from different wetlands in China: from 1950 to 2010. <i>Biogeosciences</i> , 2015, 12, 6853-6868.	3.3	14
107	Joint control of terrestrial gross primary productivity by plant phenology and physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2788-2793.	7.1	265
108	The uncertain climate footprint of wetlands under human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4594-4599.	7.1	171

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109	Sorption-Caused Attenuation and Delay of Water Vapor Signals in Eddy-Covariance Sampling Tubes and Filters. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 2629-2649.	1.3	11
110	Precipitation and net ecosystem exchange are the most important drivers of DOC flux in upland boreal catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1861-1878.	3.0	27
111	Changes in biogeochemistry and carbon fluxes in a boreal forest after the clear-cutting and partial burning of slash. <i>Agricultural and Forest Meteorology</i> , 2014, 188, 33-44.	4.8	67
112	Why Do We Need Countercyclical Capital Requirements?. <i>Journal of Financial Services Research</i> , 2014, 46, 55-76.	1.5	6
113	Differentiating moss from higher plants is critical in studying the carbon cycle of the boreal biome. <i>Nature Communications</i> , 2014, 5, 4270.	12.8	42
114	Latent heat exchange in the boreal and arctic biomes. <i>Global Change Biology</i> , 2014, 20, 3439-3456.	9.5	52
115	A temperature-controlled spectrometer system for continuous and unattended measurements of canopy spectral radiance and reflectance. <i>International Journal of Remote Sensing</i> , 2014, 35, 1769-1785.	2.9	32
116	Do small spores disperse further than large spores?. <i>Ecology</i> , 2014, 95, 1612-1621.	3.2	87
117	PAN EURASIAN EXPERIMENT (PEEX) - A RESEARCH INITIATIVE MEETING THE GRAND CHALLENGES OF THE CHANGING ENVIRONMENT OF THE NORTHERN PAN-EURASIAN ARCTIC-BOREAL AREAS. <i>Geography, Environment, Sustainability</i> , 2014, 7, 13-48.	1.3	19
118	Continuous VOC flux measurements on boreal forest floor. <i>Plant and Soil</i> , 2013, 369, 241-256.	3.7	59
119	Partitioning ozone fluxes between canopy and forest floor by measurements and a multi-layer model. <i>Agricultural and Forest Meteorology</i> , 2013, 173, 85-99.	4.8	61
120	Comparison between static chamber and tunable diode laser-based eddy covariance techniques for measuring nitrous oxide fluxes from a cotton field. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 9-19.	4.8	97
121	Evolution of the nocturnal decoupled layer in a pine forest canopy. <i>Agricultural and Forest Meteorology</i> , 2013, 174-175, 15-27.	4.8	33
122	Station for Measuring Ecosystem-Atmosphere Relations: SMEAR. , 2013, , 471-487.		73
123	How to Utilise the Knowledge of Causal Responses?. , 2013, , 397-469.		0
124	Fluxes of Carbon, Water and Nutrients. , 2013, , 225-328.		0
125	Sustainable urban metabolism as a link between bio-physical sciences and urban planning: The BRIDGE project. <i>Landscape and Urban Planning</i> , 2013, 112, 100-117.	7.5	131
126	Assimilate transport in phloem sets conditions for leaf gas exchange. <i>Plant, Cell and Environment</i> , 2013, 36, 655-669.	5.7	161

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127	Interannual variability of net ecosystem productivity in forests is explained by carbon flux phenology in autumn. <i>Global Ecology and Biogeography</i> , 2013, 22, 994-1006.	5.8	144
128	Intra-City Variation in Urban Morphology and Turbulence Structure in Helsinki, Finland. <i>Boundary-Layer Meteorology</i> , 2013, 146, 469-496.	2.3	76
129	Species traits and inertial deposition of fungal spores. <i>Journal of Aerosol Science</i> , 2013, 61, 81-98.	3.8	42
130	An Overview of the Urban Boundary Layer Atmosphere Network in Helsinki. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 1675-1690.	3.3	31
131	Tube transport of water vapor with condensation and desorption. <i>Applied Physics Letters</i> , 2013, 102, 194101.	3.3	10
132	Corrigendum to "Four-year (2006–2009) eddy covariance measurements of CO ₂ flux over an urban area in Beijing" published in <i>Atmos. Chem. Phys.</i> , 12, 7881–7892, 2012. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 647-647.	4.9	1
133	Efficient gas exchange between a boreal river and the atmosphere. <i>Geophysical Research Letters</i> , 2013, 40, 5683-5686.	4.0	19
134	Comparison between eddy covariance and automatic chamber techniques for measuring net ecosystem exchange of carbon dioxide in cotton and wheat fields. <i>Biogeosciences</i> , 2013, 10, 6865-6877.	3.3	53
135	Testing the applicability of neural networks as a gap-filling method using CH ₄ flux data from high latitude wetlands. <i>Biogeosciences</i> , 2013, 10, 8185-8200.	3.3	78
136	Nitrogen balance of a boreal Scots pine forest. <i>Biogeosciences</i> , 2013, 10, 1083-1095.	3.3	55
137	Field intercomparison of four methane gas analyzers suitable for eddy covariance flux measurements. <i>Biogeosciences</i> , 2013, 10, 3749-3765.	3.3	42
138	Does canopy mean nitrogen concentration explain variation in canopy light use efficiency across 14 contrasting forest sites?. <i>Tree Physiology</i> , 2012, 32, 200-218.	3.1	23
139	Fraction of natural area as main predictor of net CO ₂ emissions from cities. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	73
140	Corrigendum to "Seasonal and annual variation of carbon dioxide surface fluxes in Helsinki, Finland, in 2006–2010" published in <i>Atmos. Chem. Phys.</i> , 12, 8475–8489, 2012. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11765-11765.	4.9	0
141	Effect of chemical degradation on fluxes of reactive compounds – a study with a stochastic Lagrangian transport model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4843-4854.	4.9	52
142	Ozone deposition into a boreal forest over a decade of observations: evaluating deposition partitioning and driving variables. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 12165-12182.	4.9	72
143	Seasonal and annual variation of carbon dioxide surface fluxes in Helsinki, Finland, in 2006–2010. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8475-8489.	4.9	82
144	Four-year (2006–2009) eddy covariance measurements of CO ₂ flux over an urban area in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7881-7892.	4.9	85

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145	Footprint Analysis. , 2012, , 211-261.		26
146	Eddy Covariance Measurements over Lakes. , 2012, , 365-376.		25
147	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
148	On the temporal upscaling of evapotranspiration from instantaneous remote sensing measurements to 8-day mean daily-sums. <i>Agricultural and Forest Meteorology</i> , 2012, 152, 212-222.	4.8	121
149	Quantifying the influence of climate and biological drivers on the interannual variability of carbon exchanges in European forests through process-based modelling. <i>Agricultural and Forest Meteorology</i> , 2012, 154-155, 99-112.	4.8	47
150	Properties of aerosol signature size distributions in the urban environment as derived by cluster analysis. <i>Atmospheric Environment</i> , 2012, 61, 350-360.	4.1	58
151	Modeling GPP in the Nordic forest landscape with MODIS time series data—Comparison with the MODIS GPP product. <i>Remote Sensing of Environment</i> , 2012, 126, 136-147.	11.0	40
152	On the choice of the driving temperature for eddy-covariance carbon dioxide flux partitioning. <i>Biogeosciences</i> , 2012, 9, 5243-5259.	3.3	45
153	Snowpack concentrations and estimated fluxes of volatile organic compounds in a boreal forest. <i>Biogeosciences</i> , 2012, 9, 2033-2044.	3.3	14
154	Photosynthetic production of ground vegetation in different-aged Scots pine (<i>Pinus sylvestris</i>) forests. <i>Canadian Journal of Forest Research</i> , 2011, 41, 2020-2030.	1.7	20
155	Long-term energy flux measurements and energy balance over a small boreal lake using eddy covariance technique. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	168
156	Long-term direct CO ₂ flux measurements over a boreal lake: Five years of eddy covariance data. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	104
157	The Helsinki Testbed: A Mesoscale Measurement, Research, and Service Platform. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 325-342.	3.3	48
158	Boreal pine forest floor biogenic volatile organic compound emissions peak in early summer and autumn. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 682-691.	4.8	118
159	Empirical and optimal stomatal controls on leaf and ecosystem level CO ₂ and H ₂ O exchange rates. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1672-1689.	4.8	67
160	Controls on winter ecosystem respiration in temperate and boreal ecosystems. <i>Biogeosciences</i> , 2011, 8, 2009-2025.	3.3	42
161	The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10599-10618.	4.9	108
162	Photosynthesis of ground vegetation in different aged pine forests: Effect of environmental factors predicted with a process-based model. <i>Journal of Vegetation Science</i> , 2011, 22, 96-110.	2.2	20

#	ARTICLE	IF	CITATIONS
163	The effects of the canopy medium on dry deposition velocities of aerosol particles in the canopy sub-layer above forested ecosystems. <i>Atmospheric Environment</i> , 2011, 45, 1203-1212.	4.1	31
164	Long-term aerosol particle flux observations. Part II: Particle size statistics and deposition velocities. <i>Atmospheric Environment</i> , 2011, 45, 3794-3805.	4.1	25
165	Soil carbon model alternatives for ECHAM5/JSBACH climate model: Evaluation and impacts on global carbon cycle estimates. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
166	Variability in cold front activities modulating cool-season evaporation from a southern inland water in the USA. <i>Environmental Research Letters</i> , 2011, 6, 024022.	5.2	42
167	Towards a transnational system of supersites for forest monitoring and research in Europe - an overview on present state and future recommendations. <i>IForest</i> , 2011, 4, 167-171.	1.4	23
168	Availability, accessibility, quality and comparability of monitoring data for European forests for use in air pollution and climate change science. <i>IForest</i> , 2011, 4, 162-166.	1.4	28
169	The effect of a transaction tax on exchange rate volatility. <i>International Journal of Finance and Economics</i> , 2010, 15, 123-133.	3.5	19
170	Modeling acclimation of photosynthesis to temperature in evergreen conifer forests. <i>New Phytologist</i> , 2010, 188, 175-186.	7.3	26
171	Terrestrial biogeochemical feedbacks in the climate system. <i>Nature Geoscience</i> , 2010, 3, 525-532.	12.9	486
172	Autumn temperature and carbon balance of a boreal Scots pine forest in Southern Finland. <i>Biogeosciences</i> , 2010, 7, 163-176.	3.3	57
173	Greenhouse gas fluxes in a drained peatland forest during spring frost-thaw event. <i>Biogeosciences</i> , 2010, 7, 1715-1727.	3.3	39
174	A case study of eddy covariance flux of N ₂ O measured within forest ecosystems: quality control and flux error analysis. <i>Biogeosciences</i> , 2010, 7, 427-440.	3.3	45
175	Diagnosing the Surface Layer Parameters for Dispersion Models within the Meteorological-to-Dispersion Modeling Interface. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 221-233.	1.5	36
176	Predicting the dry deposition of aerosol-sized particles using layer-resolved canopy and pipe flow analogy models: Role of turbophoresis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
177	Detecting the critical periods that underpin interannual fluctuations in the carbon balance of European forests. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
178	Photosynthesis of boreal ground vegetation after a forest clear-cut. <i>Biogeosciences</i> , 2009, 6, 2495-2507.	3.3	13
179	Relative Humidity Effect on the High-Frequency Attenuation of Water Vapor Flux Measured by a Closed-Path Eddy Covariance System. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1856-1866.	1.3	108
180	Contributions of climate, leaf area index and leaf physiology to variation in gross primary production of six coniferous forests across Europe: a model-based analysis. <i>Tree Physiology</i> , 2009, 29, 621-639.	3.1	41

#	ARTICLE	IF	CITATIONS
181	Gross primary production simulation in a coniferous forest using a daily gas exchange model with seasonal change of leaf physiological parameters derived from remote sensing data. <i>International Journal of Remote Sensing</i> , 2009, 30, 3013-3025.	2.9	10
182	Long-term aerosol particle flux observations part I: Uncertainties and time-average statistics. <i>Atmospheric Environment</i> , 2009, 43, 3431-3439.	4.1	33
183	Atmospheric composition change: Ecosystemsâ€™ Atmosphere interactions. <i>Atmospheric Environment</i> , 2009, 43, 5193-5267.	4.1	609
184	An Analytical Model for the Two-Scalar Covariance Budget Inside a Uniform Dense Canopy. <i>Boundary-Layer Meteorology</i> , 2009, 131, 173-192.	2.3	5
185	Exceptional carbon uptake in European forests during the warm spring of 2007: a dataâ€™model analysis. <i>Global Change Biology</i> , 2009, 15, 1455-1474.	9.5	110
186	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. <i>Global Change Biology</i> , 2009, 15, 2905-2920.	9.5	94
187	Biosphereâ€™atmosphere exchange of reactive nitrogen and greenhouse gases at the NitroEurope core flux measurement sites: Measurement strategy and first data sets. <i>Agriculture, Ecosystems and Environment</i> , 2009, 133, 139-149.	5.3	104
188	Compensation point of NO _x exchange: Net result of NO _x consumption and production. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1073-1081.	4.8	30
189	Temporal and amongâ€™site variability of inherent water use efficiency at the ecosystem level. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	422
190	Correlated change in normalized difference vegetation index and the seasonal trajectory of photosynthetic capacity in a conifer stand. <i>International Journal of Remote Sensing</i> , 2009, 30, 983-1001.	2.9	8
191	Aerosol particle dry deposition to canopy and forest floor measured by twoâ€™layer eddy covariance system. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	30
192	Evaluation of forest snow processes models (SnowMIP2). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	290
193	Characterizing the Seasonal Dynamics of Plant Community Photosynthesis Across a Range of Vegetation Types. , 2009, , 35-58.		42
194	Vertical advection and nocturnal deposition of ozone over a boreal pine forest. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2089-2095.	4.9	26
195	Annual particle flux observations over a heterogeneous urban area. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7847-7856.	4.9	56
196	Biophysical controls on CO ₂ fluxes of three Northern forests based on long-term eddy covariance data. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 143-152.	1.6	53
197	H ₂ O and CO ₂ fluxes at the floor of a boreal pine forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 167-178.	1.6	43
198	Upward fluxes of particles over forests: when, where, why?. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 372-380.	1.6	34

#	ARTICLE	IF	CITATIONS
199	Net carbon dioxide losses of northern ecosystems in response to autumn warming. <i>Nature</i> , 2008, 451, 49-52.	27.8	930
200	Leaf area index is the principal scaling parameter for both gross photosynthesis and ecosystem respiration of Northern deciduous and coniferous forests. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, 129-142.	1.6	75
201	MIDDLEMEN AND THE ADVERSE SELECTION PROBLEM. <i>Bulletin of Economic Research</i> , 2008, 60, 1-11.	1.1	4
202	Developing an empirical model of stand GPP with the LUE approach: analysis of eddy covariance data at five contrasting conifer sites in Europe. <i>Global Change Biology</i> , 2008, 14, 92-108.	9.5	132
203	Flux and concentration footprint modelling: State of the art. <i>Environmental Pollution</i> , 2008, 152, 653-666.	7.5	199
204	The dependence of the $\hat{\rho}^2$ coefficient of REA system with dynamic deadband on atmospheric conditions. <i>Environmental Pollution</i> , 2008, 152, 597-603.	7.5	13
205	High-frequency measurements of productivity of planktonic algae using rugged nondispersive infrared carbon dioxide probes. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 347-354.	2.0	41
206	CO ₂ FLUXES NEAR A FOREST EDGE: A NUMERICAL STUDY. , 2008, 18, 1454-1469.		38
207	On the Determinants of the Skill Premium in Wages. <i>Journal of Institutional and Theoretical Economics</i> , 2008, 164, 195.	0.2	0
208	Quality control of CarboEurope flux data – Part 1: Coupling footprint analyses with flux data quality assessment to evaluate sites in forest ecosystems. <i>Biogeosciences</i> , 2008, 5, 433-450.	3.3	192
209	A review of measurement and modelling results of particle atmosphere–surface exchange. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, .	1.6	18
210	Upward fluxes of particles over forests: when, where, why?. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008, 60, .	1.6	6
211	Assessing seasonality of biochemical CO ₂ exchange model parameters from micrometeorological flux observations at boreal coniferous forest. <i>Biogeosciences</i> , 2008, 5, 1625-1639.	3.3	31
212	Hydrocarbon fluxes above a Scots pine forest canopy: measurements and modeling. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 3361-3372.	4.9	131
213	Deriving a light use efficiency model from eddy covariance flux data for predicting daily gross primary production across biomes. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 189-207.	4.8	547
214	Evidence for soil water control on carbon and water dynamics in European forests during the extremely dry year: 2003. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 123-145.	4.8	509
215	Partitioning forest carbon fluxes with overstory and understory eddy-covariance measurements: A synthesis based on FLUXNET data. <i>Agricultural and Forest Meteorology</i> , 2007, 144, 14-31.	4.8	138
216	Challenges in quantifying biosphere–atmosphere exchange of nitrogen species. <i>Environmental Pollution</i> , 2007, 150, 125-139.	7.5	203

#	ARTICLE	IF	CITATIONS
217	Switching costs and relationship profits in bank lending. <i>Journal of Banking and Finance</i> , 2007, 31, 477-493.	2.9	20
218	Micrometeorological Measurements of Methane and Carbon Dioxide Fluxes at a Municipal Landfill. <i>Environmental Science & Technology</i> , 2007, 41, 2717-2722.	10.0	82
219	Particle fluxes over forests: Analyses of flux methods and functional dependencies. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	50
220	The sauna - revisited. <i>Europhysics News</i> , 2007, 38, 32-32.	0.3	4
221	A model of bubble growth leading to xylem conduit embolism. <i>Journal of Theoretical Biology</i> , 2007, 249, 111-123.	1.7	16
222	Financial Matching, Asymmetric Information and Entrepreneurial Risk Taking. <i>Scandinavian Journal of Economics</i> , 2007, 109, 469-485.	1.4	4
223	Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. <i>Global Change Biology</i> , 2007, 13, 634-651.	9.5	486
224	Estimating parameters in a land-surface model by applying nonlinear inversion to eddy covariance flux measurements from eight FLUXNET sites. <i>Global Change Biology</i> , 2007, 13, 652-670.	9.5	144
225	Linking flux network measurements to continental scale simulations: ecosystem carbon dioxide exchange capacity under non-water-stressed conditions. <i>Global Change Biology</i> , 2007, 13, 734-760.	9.5	81
226	Photosynthesis drives anomalies in net carbon-exchange of pine forests at different latitudes. <i>Global Change Biology</i> , 2007, 13, 2110-2127.	9.5	69
227	CO ₂ balance of boreal, temperate, and tropical forests derived from a global database. <i>Global Change Biology</i> , 2007, 13, 2509-2537.	9.5	863
228	Annual cycle of methane emission from a boreal fen measured by the eddy covariance technique. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 449-457.	1.6	224
229	Measurements of aerosol particle dry deposition velocity using the relaxed eddy accumulation technique. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 381-386.	1.6	49
230	Gas concentration driven fluxes of nitrous oxide and carbon dioxide in boreal forest soil. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 458-469.	1.6	92
231	Vertical variability and effect of stability on turbulence characteristics down to the floor of a pine forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 919-936.	1.6	64
232	Modeling air-mediated dispersal of spores, pollen and seeds in forested areas. <i>Ecological Modelling</i> , 2007, 208, 177-188.	2.5	109
233	Micrometeorological Observations of a Microburst in Southern Finland. <i>Boundary-Layer Meteorology</i> , 2007, 125, 343-359.	2.3	19
234	Micrometeorological observations of a microburst in southern Finland. , 2007, , 187-203.		1

#	ARTICLE	IF	CITATIONS
235	Linking flux network measurements to continental scale simulations: ecosystem carbon dioxide exchange capacity under non-water-stressed conditions. <i>Global Change Biology</i> , 2007, .	9.5	0
236	Eddy covariance measurements of carbon exchange and latent and sensible heat fluxes over a boreal lake for a full open-water period. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	105
237	Condensation of water vapor: Experimental determination of mass and thermal accommodation coefficients. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	75
238	Uncertainties in measurement and modelling of net ecosystem exchange of a forest. <i>Agricultural and Forest Meteorology</i> , 2006, 138, 244-257.	4.8	51
239	Factors controlling regional differences in forest soil emission of nitrogen oxides (NO and Tj ETQq1 1 0.784314 rgBT /Overlock, 10 Tf 50	3.3	205
240	Towards a standardized processing of Net Ecosystem Exchange measured with eddy covariance technique: algorithms and uncertainty estimation. <i>Biogeosciences</i> , 2006, 3, 571-583.	3.3	1,206
241	Foliage surface ozone deposition: a role for surface moisture?. <i>Biogeosciences</i> , 2006, 3, 209-228.	3.3	128
242	Modeling xylem and phloem water flows in trees according to cohesion theory and MÃ¼nch hypothesis. <i>Trees - Structure and Function</i> , 2006, 20, 67-78.	1.9	206
243	UV-induced NOy emissions from Scots pine: Could they originate from photolysis of deposited HNO3?. <i>Atmospheric Environment</i> , 2006, 40, 6201-6213.	4.1	27
244	Wintertime photosynthesis and water uptake in a boreal forest. <i>Tree Physiology</i> , 2006, 26, 749-757.	3.1	117
245	Refilling of embolised conduits as a consequence of 'MÃ¼nch water' circulation. <i>Functional Plant Biology</i> , 2006, 33, 949.	2.1	44
246	Commentary on cloud modelling and the mass accommodation coefficient of water. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 461-464.	4.9	78
247	Temperature dependence of leaf-level CO2 fixation: revising biochemical coefficients through analysis of leaf three-dimensional structure. <i>New Phytologist</i> , 2005, 166, 205-215.	7.3	21
248	Plant-mediated nitrous oxide emissions from beech (<i>Fagus sylvatica</i>) leaves. <i>New Phytologist</i> , 2005, 168, 93-98.	7.3	61
249	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , 2005, 11, 1424-1439.	9.5	2,778
250	Pan-European delta13C values of air and organic matter from forest ecosystems. <i>Global Change Biology</i> , 2005, 11, 1065-1093.	9.5	60
251	Europe-wide reduction in primary productivity caused by the heat and drought in 2003. <i>Nature</i> , 2005, 437, 529-533.	27.8	3,245
252	Quality analysis applied on eddy covariance measurements at complex forest sites using footprint modelling. <i>Theoretical and Applied Climatology</i> , 2005, 80, 121-141.	2.8	173

#	ARTICLE	IF	CITATIONS
253	Numerical analysis of flux footprints for different landscapes. Theoretical and Applied Climatology, 2005, 80, 169-185.	2.8	36
254	Inventories of N<sub>2</sub>O and NO emissions from European forest soils. Biogeosciences, 2005, 2, 353-375.	3.3	170
255	Nitrous oxide emissions from a beech forest floor measured by eddy covariance and soil enclosure techniques. Biogeosciences, 2005, 2, 377-387.	3.3	57
256	Modeling the dynamics of pressure propagation and diameter variation in tree sapwood. Tree Physiology, 2005, 25, 1091-1099.	3.1	41
257	Field measurements of ultrasonic acoustic emissions and stem diameter variations. New insight into the relationship between xylem tensions and embolism. Tree Physiology, 2005, 25, 237-243.	3.1	36
258	Nitrous Oxide Emissions from a Municipal Landfill. Environmental Science & Technology, 2005, 39, 7790-7793.	10.0	89
259	Entrepreneurship and labor market institutions. Economic Modelling, 2005, 22, 828-847.	3.8	60
260	Objective threshold determination for nighttime eddy flux filtering. Agricultural and Forest Meteorology, 2005, 128, 179-197.	4.8	241
261	Effect of clearcuts on footprints and flux measurements above a forest canopy. Agricultural and Forest Meteorology, 2005, 133, 182-196.	4.8	42
262	Effect of thinning on surface fluxes in a boreal forest. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	4.9	157
263	Measuring methane emissions from a landfill using a cost-effective micrometeorological method. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	36
264	Simulation and scaling of temporal variation in gross primary production for coniferous and deciduous temperate forests. Global Change Biology, 2004, 10, 37-51.	9.5	71
265	Measurements of ozone removal by Scots pine shoots: calibration of a stomatal uptake model including the non-stomatal component. Atmospheric Environment, 2004, 38, 2387-2398.	4.1	64
266	Similarities in ground- and satellite-based NDVI time series and their relationship to physiological activity of a Scots pine forest in Finland. Remote Sensing of Environment, 2004, 93, 225-237.	11.0	118
267	Mass accommodation coefficient of water vapor on liquid water. Geophysical Research Letters, 2004, 31, .	4.0	73
268	Mass and Thermal Accommodation during Gas-Liquid Condensation of Water. Physical Review Letters, 2004, 93, 075701.	7.8	105
269	Comparison of different chamber techniques for measuring soil CO2 efflux. Agricultural and Forest Meteorology, 2004, 123, 159-176.	4.8	420
270	Estimation of forestâ€ˆatmosphere CO2 exchange by eddy covariance and profile techniques. Agricultural and Forest Meteorology, 2004, 126, 141-155.	4.8	45

#	ARTICLE	IF	CITATIONS
271	Flux and concentration footprints. <i>Agricultural and Forest Meteorology</i> , 2004, 127, 111-116.	4.8	24
272	Flux footprints over complex terrain covered by heterogeneous forest. <i>Agricultural and Forest Meteorology</i> , 2004, 127, 143-158.	4.8	47
273	A new feedback mechanism linking forests, aerosols, and climate. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 557-562.	4.9	337
274	Relaxed Eddy Accumulation System for Size-Resolved Aerosol Particle Flux Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 933-943.	1.3	61
275	Comment on "Postnucleation droplet growth in supersaturated gas with arbitrary vapor concentration". <i>J. Chem. Phys.</i> 120, 10455 (2004)]. <i>Journal of Chemical Physics</i> , 2004, 121, 8163.	3.0	2
276	Turbulence Statistics Inside and Over Forest: Influence on Footprint Prediction. <i>Boundary-Layer Meteorology</i> , 2003, 109, 163-189.	2.3	103
277	Footprints and Fetches for Fluxes over Forest Canopies with Varying Structure and Density. <i>Boundary-Layer Meteorology</i> , 2003, 106, 437-459.	2.3	80
278	Sugar transport together with environmental conditions controls time lags between xylem and stem diameter changes. <i>Plant, Cell and Environment</i> , 2003, 26, 1257-1265.	5.7	64
279	Air temperature triggers the recovery of evergreen boreal forest photosynthesis in spring. <i>Global Change Biology</i> , 2003, 9, 1410-1426.	9.5	273
280	Ultraviolet light and leaf emission of NO _x . <i>Nature</i> , 2003, 422, 134-134.	27.8	43
281	Interannual variability and timing of growing-season CO ₂ exchange in a boreal forest. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	95
282	Interpretation of aerosol particle fluxes over a pine forest: Dry deposition and random errors. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	44
283	Analysis of measurement techniques to determine dry deposition velocities of aerosol particles with diameters less than 100 nm. <i>Journal of Aerosol Science</i> , 2003, 34, 747-764.	3.8	40
284	Refilling of a Hydraulically Isolated Embolized Xylem Vessel: Model Calculations. <i>Annals of Botany</i> , 2003, 91, 419-428.	2.9	66
285	Stochastic Lagrangian footprint calculations over a surface with an abrupt change of roughness height. <i>Monte Carlo Methods and Applications</i> , 2003, 9, .	0.8	6
286	Coniferous Forests (Scots and Maritime Pine): Carbon and Water Fluxes, Balances, Ecological and Ecophysiological Determinants. <i>Ecological Studies</i> , 2003, , 71-97.	1.2	8
287	Phenology of Vegetation Photosynthesis. <i>Tasks for Vegetation Science</i> , 2003, , 467-485.	0.6	36
288	Stochastic Lagrangian footprint calculations over a surface with an abrupt change of roughness height. <i>Monte Carlo Methods and Applications</i> , 2003, 9, 167-188.	0.8	0

#	ARTICLE	IF	CITATIONS
289	Advantages of diffuse radiation for terrestrial ecosystem productivity. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 2-1-ACL 2-23.	3.3	518
290	Energy partitioning between latent and sensible heat flux during the warm season at FLUXNET sites. <i>Water Resources Research</i> , 2002, 38, 30-1-30-11.	4.2	169
291	Fluxes of carbon dioxide and water vapour over Scots pine forest and clearing. <i>Agricultural and Forest Meteorology</i> , 2002, 111, 187-202.	4.8	70
292	Environmental controls over carbon dioxide and water vapor exchange of terrestrial vegetation. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 97-120.	4.8	1,133
293	Methodology for direct field measurements of ozone flux to foliage with shoot chambers. <i>Atmospheric Environment</i> , 2002, 36, 19-29.	4.1	42
294	Relationships between Embolism, Stem Water Tension, and Diameter Changes. <i>Journal of Theoretical Biology</i> , 2002, 215, 23-38.	1.7	42
295	Evaluation of six process-based forest growth models using eddy-covariance measurements of CO ₂ and H ₂ O fluxes at six forest sites in Europe. <i>Global Change Biology</i> , 2002, 8, 213-230.	9.5	135
296	Time lags for xylem and stem diameter variations in a Scots pine tree. <i>Plant, Cell and Environment</i> , 2002, 25, 1071-1077.	5.7	106
297	Simulations of Water Flow Through Bordered Pits of Conifer Xylem. <i>Journal of Statistical Physics</i> , 2002, 107, 121-142.	1.2	23
298	Comparison of an optimal stomatal regulation model and a biochemical model in explaining CO ₂ exchange in field conditions. <i>Silva Fennica</i> , 2002, 36, .	1.3	12
299	FLUXNET: A New Tool to Study the Temporal and Spatial Variability of Ecosystem-Scale Carbon Dioxide, Water Vapor, and Energy Flux Densities. <i>Bulletin of the American Meteorological Society</i> , 2001, 82, 2415-2434.	3.3	3,018
300	An open chamber system for measuring soil surface CO ₂ efflux: Analysis of error sources related to the chamber system. <i>Journal of Geophysical Research</i> , 2001, 106, 7985-7992.	3.3	32
301	Tree scale distributed multipoint measuring system of photosynthetically active radiation. <i>Agricultural and Forest Meteorology</i> , 2001, 106, 71-80.	4.8	19
302	Gap filling strategies for defensible annual sums of net ecosystem exchange. <i>Agricultural and Forest Meteorology</i> , 2001, 107, 43-69.	4.8	1,579
303	Gap filling strategies for long term energy flux data sets. <i>Agricultural and Forest Meteorology</i> , 2001, 107, 71-77.	4.8	493
304	Rigorous treatment of time-dependent trace gas uptake by droplets including bulk diffusion and surface accommodation. <i>Journal of Aerosol Science</i> , 2001, 32, 843-860.	3.8	16
305	Experimental study of sticking probabilities for condensation of nitric acid-water vapor mixtures. <i>Journal of Aerosol Science</i> , 2001, 32, 913-932.	3.8	32
306	Carbon Balance Gradient in European Forests: Should We Doubt 'Surprising' Results? A Reply to Pievesan & Adams. <i>Journal of Vegetation Science</i> , 2001, 12, 145.	2.2	1

#	ARTICLE	IF	CITATIONS
307	Evaluation of mean concentration and fluxes in turbulent flows by Lagrangian stochastic models. <i>Mathematics and Computers in Simulation</i> , 2001, 54, 459-476.	4.4	13
308	Productivity overshadows temperature in determining soil and ecosystem respiration across European forests. <i>Global Change Biology</i> , 2001, 7, 269-278.	9.5	843
309	Carbon balance gradient in European forests: should we doubt "surprising" results? A reply to Piovesan & Adams. <i>Journal of Vegetation Science</i> , 2001, 12, 145-150.	2.2	24
310	Tree stem diameter variations and transpiration in Scots pine: an analysis using a dynamic sap flow model. <i>Tree Physiology</i> , 2001, 21, 889-897.	3.1	122
311	Respiration as the main determinant of carbon balance in European forests. <i>Nature</i> , 2000, 404, 861-865.	27.8	1,438
312	Footprint Analysis For Measurements Over A Heterogeneous Forest. <i>Boundary-Layer Meteorology</i> , 2000, 97, 137-166.	2.3	151
313	Do tree stems shrink and swell with the tides?. <i>Tree Physiology</i> , 2000, 20, 633-635.	3.1	14
314	Effect of variations of PAR on CO2 exchange estimation for Scots pine. <i>Agricultural and Forest Meteorology</i> , 2000, 100, 337-347.	4.8	33
315	Biogenic aerosol formation in the boreal forest. <i>Journal of Aerosol Science</i> , 2000, 31, 598-599.	3.8	6
316	Vertical aerosol fluxes measured by the eddy covariance method and deposition of nucleation mode particles above a Scots pine forest in southern Finland. <i>Journal of Geophysical Research</i> , 2000, 105, 19905-19916.	3.3	74
317	Physical Chemistry of Aerosol Formation. , 2000, , 23-46.		2
318	Direct and Adjoint Monte Carlo Algorithms for the Footprint Problem. <i>Monte Carlo Methods and Applications</i> , 1999, 5, .	0.8	19
319	An improvement of the method for calibrating measurements of photosynthetic CO2 flux. <i>Plant, Cell and Environment</i> , 1999, 22, 1297-1301.	5.7	49
320	Autoregressive filtering versus linear detrending in estimation of fluxes by the eddy covariance method. <i>Boundary-Layer Meteorology</i> , 1999, 91, 259-280.	2.3	164
321	A model for NO _x -O ₃ -terpene chemistry in chamber measurements of plant gas exchange. <i>Atmospheric Environment</i> , 1999, 33, 2145-2156.	4.1	14
322	A Three-dimensional Stomatal CO ₂ Exchange Model Including Gaseous Phase and Leaf Mesophyll Separated by Irregular Interface. <i>Journal of Theoretical Biology</i> , 1999, 196, 115-128.	1.7	43
323	Estimates of the Annual Net Carbon and Water Exchange of Forests: The EUROFLUX Methodology. <i>Advances in Ecological Research</i> , 1999, , 113-175.	2.7	1,540
324	A novel set-up to measure vertical aerosol particle fluxes in the atmospheric surface layer. <i>Journal of Aerosol Science</i> , 1999, 30, S841-S842.	3.8	0

#	ARTICLE	IF	CITATIONS
325	On the Concept of Leaf Boundary Layer Resistance for Forced Convection. Journal of Theoretical Biology, 1998, 194, 91-100.	1.7	23
326	Vertical aerosol particle fluxes measured by eddy covariance technique using condensational particle counter. Journal of Aerosol Science, 1998, 29, 157-171.	3.8	127
327	Studies on CO ₂ Exchange of Scots Pine Needles Using Cuvette Field Measurements and A 3-Dimensional Stomatal Model Including Gaseous Phase and Leaf Mesophyll. , 1998, , 3483-3486.		0
328	On Importance of Physical Phenomena in the Temperature Dependence of Photosynthesis -A Sensitivity Analysis. , 1998, , 3495-3498.		0
329	On the damping of temperature fluctuations in a circular tube relevant to the eddy covariance measurement technique. Journal of Geophysical Research, 1997, 102, 12789-12794.	3.3	60
330	On the condensational growth of a multicomponent droplet. Journal of Aerosol Science, 1997, 28, 553-564.	3.8	35
331	Models for condensational growth and evaporation of binary aerosol particles. Journal of Aerosol Science, 1997, 28, 565-598.	3.8	122
332	A theoretical study on ternary condensation and evaporation of water, ammonia and hydrochloric acid. Journal of Aerosol Science, 1997, 28, S177-S178.	3.8	1
333	Analytical multicomponent condensation rates. Journal of Aerosol Science, 1997, 28, S361-S362.	3.8	0
334	Modelling of Light-driven RuBP Regeneration, Carboxylation and CO ₂ Diffusion for Leaf Photosynthesis. Journal of Theoretical Biology, 1997, 188, 143-151.	1.7	3
335	Model simulation of the amount of soluble mass during cloud droplet formation. Atmospheric Environment, 1996, 30, 1773-1785.	4.1	8
336	Theoretical consideration on sticking probabilities. Journal of Aerosol Science, 1996, 27, 869-882.	3.8	76
337	Simultaneous condensation of five gaseous substances. Journal of Aerosol Science, 1996, 27, S273-S274.	3.8	0
338	The effect of hygroscopicity on cloud droplet formation. Tellus, Series B: Chemical and Physical Meteorology, 1996, 48, 347-360.	1.6	35
339	Analysis of stomatal CO ₂ uptake by a three-dimensional cylindrically symmetric model. New Phytologist, 1996, 132, 235-245.	7.3	22
340	Comment on "Generalized Kelvin equation and the water content of a cloud". Physical Review E, 1996, 54, 5868-5869.	2.1	0
341	Phase transitions in Finnish sauna. , 1996, , 403-406.		3
342	The Pre-Existing Particle Distribution and The Formation of Cloud Droplets. , 1996, , 944-947.		0

#	ARTICLE	IF	CITATIONS
343	Mass transfer from a drop. II. Theoretical analysis of temperature dependent mass flux correlation. International Journal of Heat and Mass Transfer, 1995, 38, 1705-1708.	4.8	48
344	Experimental and numerical analysis of stomatal absorption of sulphur dioxide and transpiration by pine needles. Atmospheric Environment, 1995, 29, 825-836.	4.1	9
345	Aerosol formation in diffusive boundary layer: Binary homogeneous nucleation of ammonia and water vapours. Journal of Aerosol Science, 1995, 26, 547-558.	3.8	7
346	Evaluation of homogeneous droplet formation inside UCPC (TSI model 3025). Journal of Aerosol Science, 1995, 26, 1003-1008.	3.8	7
347	The homogeneous equilibrium approximation in heavy gas dispersion models. Journal of Aerosol Science, 1995, 26, S641-S642.	3.8	0
348	Changes in cloud properties due to NOx emissions. Geophysical Research Letters, 1995, 22, 239-242.	4.0	24
349	On the theories of type 1 polar stratospheric cloud formation. Journal of Geophysical Research, 1995, 100, 11275.	3.3	62
350	A Semiphenomenological Model for Stomatal Gas Transport. Journal of Theoretical Biology, 1994, 171, 291-301.	1.7	20
351	A model for mass and heat transfer in an aerosol cloud. Journal of Hazardous Materials, 1994, 38, 293-311.	12.4	7
352	11.O.02 Evaporation of a drop. a temperature dependent mass transfer correlation. Journal of Aerosol Science, 1994, 25, 99-100.	3.8	2
353	The homogeneous equilibrium approximation in models of aerosol cloud dispersion. Atmospheric Environment, 1994, 28, 2763-2776.	4.1	14
354	Air pollution in eastern Lapland : challenge for an environmental measurement station.. Silva Fennica, 1994, 28, .	1.3	41
355	Comparison of Models for Aerosol Vaporisation in the Dispersion of Heavy Clouds. , 1994, , 431-438.		0
356	Evaporation of polydisperse ethanol aerosols in humid environment. International Journal of Heat and Mass Transfer, 1993, 36, 705-711.	4.8	4
357	Comparisons of uncoupled, film theoretical and exact solutions for binary droplet evaporation and condensation. Physica A: Statistical Mechanics and Its Applications, 1993, 192, 107-123.	2.6	25
358	Long-range transport of ammonia released in a major chemical accident at Ionava, Lithuania. Journal of Hazardous Materials, 1993, 35, 1-16.	12.4	8
359	On droplet evaporation in the presence of a condensing substance: the effect of internal diffusion. International Journal of Heat and Mass Transfer, 1993, 36, 695-703.	4.8	9
360	16 O 03 The radiative properties of convective clouds: The relationship between nitric acid vapour and cloud droplet concentration. Journal of Aerosol Science, 1993, 24, S113-S114.	3.8	0

#	ARTICLE	IF	CITATIONS
361	The effect of atmospheric nitric acid vapor on cloud condensation nucleus activation. Journal of Geophysical Research, 1993, 98, 22949-22958.	3.3	137
362	A model for binary droplet evaporation and condensation, and its application for ammonia droplets in humid air. Atmospheric Environment Part A General Topics, 1992, 26, 1573-1581.	1.3	20
363	Activation and growth of cloud condensation nuclei by binary nucleation and condensation processes. Journal of Aerosol Science, 1992, 23, 113-116.	3.8	5
364	The physics of aerosol formation in diffusive boundary layers. Journal of Aerosol Science, 1992, 23, 121-124.	3.8	2
365	An analytical expression for the rate of binary condensational particle growth: Comparison with numerical results. Journal of Aerosol Science, 1992, 23, 133-136.	3.8	10
366	Condensation in the continuum regime. Journal of Aerosol Science, 1991, 22, 337-346.	3.8	74
367	Kinetics of particle growth in supersaturated binary vapor mixtures. Journal of Aerosol Science, 1991, 22, S51-S54.	3.8	16
368	Evaporation of polydisperse organic aerosols at ambient conditions. Journal of Aerosol Science, 1991, 22, S81-S84.	3.8	4
369	Formation and growth of water and nitric acid aerosols. Journal of Aerosol Science, 1991, 22, S93-S96.	3.8	1
370	Correction for the Brownian coagulation coefficient due to van der Waals forces between non-equal sized particles. Journal of Aerosol Science, 1991, 22, S105-S107.	3.8	1
371	Hydration of acid vapours in stratospheric conditions. Journal of Aerosol Science, 1991, 22, S133-S136.	3.8	0
372	Binary droplet evaporation in the presence of an inert gas: An exact solution of the Maxwell-Stefan equations. International Communications in Heat and Mass Transfer, 1991, 18, 117-126.	5.6	14
373	Extended hydrates interaction model: Hydrate formation and the energetics of binary homogeneous nucleation. Journal of Chemical Physics, 1991, 94, 7411-7413.	3.0	34
374	Modelling the Dynamics of Aerosols in Two-Phase Releases of Hazardous Materials. , 1991, , 613-614.		0
375	Condensation and evaporation of binary droplets with internal mass transfer. Journal of Aerosol Science, 1990, 21, S7-S10.	3.8	5
376	The interdependence of evaporation and settling for airborne freely falling droplets. Journal of Aerosol Science, 1989, 20, 749-763.	3.8	72
377	The evaporation of airborne droplets in a turbulent two-phase jet. Journal of Aerosol Science, 1988, 19, 871-874.	3.8	3
378	Modeling the SAR response of pine forest in Southern Finland. , 0, , .		6

#	ARTICLE	IF	CITATIONS
379	Portfolio Effects and Efficiency of Lending under Basel II. SSRN Electronic Journal, 0, , .	0.4	18
380	Credit Allocation, Capital Requirements and Procyclicality. SSRN Electronic Journal, 0, , .	0.4	1
381	Asymmetric Information in Credit Markets and Entrepreneurial Risk Taking. SSRN Electronic Journal, 0, , .	0.4	19